Paraplegia **31** (1993) 811–817 © 1993 International Medical Society of Paraplegia

Cumulative Contents

Editorial 1

Sperm quality assessed by flow cytometry and accessory sex gland function in spinal cord injured men after repeated vibration-induced ejaculation 3
E Engh, O P F Clausen, K Purvis, R Stien

Skin potential recordings during cystometry in spinal cord injured patients 13
J G Prévinaire, J M Soler, P Hanson

The chances of a spina bifida patient becoming continent/socially dry by conservative therapy 22
M Knoll, H Madersbacher

Ambulation in patients with myelomeningocele: a study of 1500 patients 28
I Díaz Llopis, M Bea Muñoz, E Martinez Agulló, A López Martinez, V García Aymerich, J V Forner Valero

Length–tension relationship of the posterior deltoid to triceps transfer in C6 tetraplegic patients 33
E Rabischong, P Benoit, M Benichou, Y Allieu

Sonographic diagnosis of heterotopic bone formation in spinal injury patients 40
V N Cassar-Pullicino, M McClelland, D A H Badwan, I W McCall, R G Pringle, W El Masry

Neurovascular complications of heterotopic ossification following spinal cord injury 51
S C Colachis, D M Clinchot, D Venesy

Conservative treatment of burst fractures of the thoracolumbar and lumbar spine 58
H Kinoshita, Y Nagata, H Ueda, K Kishi

Spinal cord injuries in Iceland 1973–1989. A follow up study 68
S Knútsdóttir

Letter 73

Meetings and Notices 74

A review of some measurements of muscle wasting, tone and clonus in paraplegia 75
E G Walsh

Spinal shock: possible role of receptor plasticity and non synaptic transmission 82
P Bach-y-Rita, L S Illis

Rehabilitation of spinal cord injured patients on long term ventilation 88
J C Chawla

The impact of home based ventilator dependence on family life 93
C A Glass

The lack of comprehensive care causing complications in patients with myelodysplasia 102
G Exner, H Burgdörfer, A Bohatyrewicz, G Bomnüter, B Wenck

28 K in squamous metaplasia of the bladder in patients with spinal cord injury 105
J Z Montgomerie, H J Holshuh, A J Keyser, C J Bennett, D G Schick

The physiological benefits of paraplegic orthotically aided walking 111
C Ogilvie, P Bowker, D I Rowley

A new double-purpose device for elbow extension in tetraplegia with paralysis below C5 116
M Itzkovich, A Catz, I Ona

A complicated trochanteric pressure sore: what is the best surgical management? Case report 119
J Benito-Ruiz, P Baena-Montilla, A Mena-Yago, I Miguel, J Montanana-Vizcaino

Effects of cisapride on anorectal and vesicourethral function in spinal cord injured patients 125
R Carone, D Vercelli, P Bertapelle
Spinal cysticercosis. Case report and review 128
A Isidro-Llorens, F Dachs, J Vidal, M Sarrias
Late-onset papilledema following spinal injury. Case report 131
A Catz, I Appel, I Reider-Grosswasser, Z Grosswasser, L Mendelson, R Gepstein
Book Reviews 136
IMSOP Information Co-ordinators 139
Meetings and Notices 140
Editorial 141
Tetraplegics and the justice of resource allocation 143
P Walsh
The French organisation of mechanical ventilation at home for neuromuscular diseases 147
P Gajdos
Experience with ventilator dependent patients 150
R E Carter
Southport experience with domiciliary ventilation 154
J D Bingley
The Swedish experience in the organisation of domiciliary ventilation for patients with a high spinal cord injury 157
R Harlid, G Andersson
Implications of focal spinal cord lesions following trauma: evaluation with magnetic resonance imaging 160
M Silberstein, O Hennessy
The development of a spinal injuries unit in Armenia 168
D C Burke, D Brown, V Hill, K Balian, A Araratian, C Vartanian
Arterial oxygen saturation over time and sleep studies in quadriplegic patients 172
C Cahan, B Gothe, M J Decker, J L Arnold, K P Strohl
The dynamics of magnetic resonance findings in patients with a spinal haematoma 180
R Firsching, F Zanella, H Lanfermann
Pyrexia in hospitalised spinal cord injury patients 186
P S S Beraldo, E G C Neves, C M F Alves, P Khan, A C M Cirilo, M R B Alencar
Neurological outcome from conservative or surgical treatment of cervical spinal cord injured patients 192
J E Kiwerski
Meetings and Notices 197
Developments in the health service: the role of the Department of Health 199
N P Halliday
The Swedish modification of the tracheostomy tube to permit speech 203
G Andersson
The role of functional electrical stimulation in the rehabilitation of patients with incomplete spinal cord injury – observed benefits during gait studies 207
M H Granat, A C B Ferguson, B J Andrews, M Delargy
Preclinical trial of 4-aminopyridine in patients with chronic spinal cord injury 216
K C Hayes, A R Blight, P J Potter, R D Allatt, J T C Hsieh, D L Wolfe, S Lam, J T Hamilton
Assessing selfcare status in quadriplegia: comparison of the quadriplegia index of functions (QIF) and the functional independence measure (FIM) 225

R J Marino, M Huang, P Knight, G J Herbison, J F Ditunno, M Segal
Blockage of indwelling urinary catheters: the roles of urinary composition, the catheter, medication and diet 234
R G Burr, I Nuseibeh
Continent urinary diversion and diverting colostomy in the therapy of non-healing pressure sores in paraplegic patients 242
D E Bejany, R Chao, P E Perito, V A Politano
Clinical aspects of neurolathyrism in Unnao, India 249
U K Misra, V P Sharma, V P Singh
Physical performance of elite wheelchair basketball players in armcranking ergometry and in selected wheeling tasks 255
Y Hutzler
Cervical spinal cord atrophy associated with spina bifida 262
A Seichi, Y Hoshino, S Ikegawa, T Tanaka, Y Yanagisako, M Kimitsuka, T Kurokawa
Serum rheumatoid factors in spinal cord injury patients 265
N V Petrova, A M Ponomaryova, V A Alyoshkin, A T Eliseyev, G S Yumashev
Obituary 269
A Gordon Key
Meetings and Notices 271
Editorial 273
Recommendations concerning the costing and management for patients requiring domiciliary ventilation 276
K R Krishnan
Assistive technology in the rehabilitation of patients with high spinal cord lesions 280
R G S Platts, M H Fraser
Clean intermittent catheterisation—performing abilities, aversive experiences and distress 288
A Bakke, L M Irgens, U F Malt, P Å Høisæter
Teaching the procedure of clean intermittent catheterisation 298
S Parmar, S Baltej, S Vaidyanathan
Limb blood flow, cardiac output and quadriceps muscle bulk following spinal cord injury and the effect of training for the Odstock functional electrical stimulation standing system 303
P N Taylor, D J Ewins, B Fox, D Grundy, I D Swain
Effect of high voltage pulsed galvanic stimulation on sacral transcutaneous oxygen tension levels in the spinal cord injured 311
A R Mawson, F H Siddiqni, B J Connolly, C J Sharp, G W Stewart, W R Summer, J J Biundo
The morbidity due to lower urinary tract function in spinal cord injury patients 320
P E V Van Kerrebroeck, E L Koldewijn, S Scherpenhuizen, F M J Debruyne
Pediatric wheelchair athletics: sports injuries and prevention 330
P E Wilson, R L Washington
Magnetic resonance imaging in the diagnosis of spinal hydatid cyst disease. Case report 338
A Fahir Özer, M Memet Özek, M Necmettin Pamir, C Erzen
Book Reviews 341
Meetings and Notices 346
Anxiety and depression over the first year of spinal cord injury: a longitudinal study 349

K M Hancock, A R Craig, H G Dickson, E Chang, J Martin
Outcome after vertebral fractures with neurological lesion treated either surgically or conservatively in Spain 358
P Bravo, C Labarta, M A Alcaraz, J Mendoza, A Verdu
Factors related to the outcome of inpatient rehabilitation in patients with neoplastic epidural spinal cord compression 367
H G A Hacking, H H J Van, G J Lankhorst
Achondroplasia and spinal cord lesion. Three case reports 375
N Hamamci, S Hawran, F Biering-Sørensen
Clean intermittent catheterisation for the neuropathic bladder 380
A Yadav, S Vaidyanathan, D Panigrahi
Esophagitis and esophageal motor abnormalities in patients with chronic spinal cord injuries 384
J G Stinneford, A Keshavarzian, B A Nemchausky, M I Doria, M Durkin
Colonic volvulus in the spinal cord injured patient 393
D Fenton-Lee, B W Yeo, R F Jones, S Engel
Traumatic spinal cord injuries in the rural region of Taiwan: an epidemiological study in Hualien county, 1986–1990 398
C Lan, J S Lai, K H Chang, Y C Jean, I N Lien
Pulmonary obstruction in individuals with cervical spinal cord lesions unmasked by bronchodilator administration 404
A M Spungen, P V Dicpinigaitis, P L Almenoff, W A Bauman
Hereditary spastic paraplegia associated with epilepsy, mental retardation and hearing impairment 408
J S Yih, S-J Wang, M-S Su, S-C Tsai, R-H Lin, K-N Lin, H-C Liu
Giant-cell tumour of the lumbar spine. Case report 412
S Inci, A Akbay, V Bertan
Letter 415
Meetings and Notices 416
Methylprednisolone treatment of experimental spinal cord injury 417
A Iwai, W W Monafo, S G Eliasson
Inappropriate weaning and late onset ventilatory failure of individuals with traumatic spinal cord injury 430
J R Bach
Report on a conference on motor prostheses for workplace mobility of paraplegic patients in North America 439
C Kantor, B J Andrews, E B Marsolais, M Solomonow, R D Lew, K T Ragnarsson
The Functional Independence Measure: a comparative study of clinician and self ratings 457
N Grey, P Kennedy
Meal-induced rise in resting energy expenditure in patients with complete cervical spinal cord lesions 462
A-K Aksnes, T Brundin, N Hjeltnes, S Maehlum, J Wahren
Haemoglobin and albumin as predictors of length of stay of spinal injured patients in a rehabilitation centre 473
R G Burr, L Clift-Peace, I Nuseibeh
Sacrococcygeal hydatid cyst: another entity in the differential diagnosis of sacrococcygeal chordoma. Case report 479
C Yegen, A F Ozer, A O Aktan, R Yalin
Obituary 482
Jack Walsh
Meetings and Notices 483

Two-point discrimination thresholds in spinal cord injured patients with dysesthetic pain **485**
Z K Song, M J Cohen, P A Ament, W H Ho, M Vulpe, S L Schandler
Bacterial biofilm formation on the bladder epithelium of spinal cord injured patients. II. Toxic outcome on cell viability **494**
G Reid, Y S Kang, M Lacerte, C Tieszer, K C Hayes
Ultrasound in the early diagnosis of heterotopic ossification in patients with spinal injuries **500**
R Bodley, A Jamous, D Short
The association between deep venous thrombosis and heterotopic ossification in patients with acute traumatic spinal cord injury **507**
S C Colachis, D M Clinchot
Indomethacin and disodium etidronate for the prevention of recurrence of heterotopic ossification after surgical resection. Two case reports **513**
F Biering-Sørensen, E Tøndevold
Intrathecal baclofen: does tolerance occur? **516**
M N Akman, P G Loubser, W H Donovan, M E O'Neill, C D Rossi
Red Cross spinal injury project in Bucharest, Romania **521**
A Soopramanien
The causes, sequelae and attempts at prevention of cervical spine injuries in Poland **527**
J E Kiwerski
Electrical stimulation-assisted rowing exercise in spinal cord injured people. A pilot study **534**
J J Laskin, E A Ashley, L M Olenik, R Burnham, D C Cumming, R D Steadward, G D Wheeler
Complete dislocation with burst fracture of the lower cervical spine. Case report **542**
S Bhatia, B S Sharma, S N Mathuriya, A Pathak, V K Khosla
Obituary **545**
Dr Erik Moberg
Book Reviews **546**
Meetings and Notices **551**
Pathology of cervical intervertebral disc injuries **553**
H Kinoshita
Prediction of pulmonary function in wheelchair users **560**
R A Cooper, F D Baldini, W E Langbein, R N Robertson, P Bennett, S Monical
Risk of cardiac dysrhythmias in chronic spinal cord injury patients **571**
D A Leaf, R A Bahl, R H Adkins
Trophic effects on testes in paraplegics **576**
P A Chapelle, A Roby-Brami, M Jondet, T Piechaud, B Bussel
Prediction of maximal aerobic power from a submaximal exercise test performed by paraplegics on a wheelchair ergometer **584**
G Paré, L Noreau, C Simard
Evidence of autonomic dysreflexia during functional electrical stimulation in individuals with spinal cord injuries **593**
E A Ashley, J J Laskin, L M Olenik, R Burnham, R D Steadward, D C Cumming, G D Wheeler
Deep vein thrombosis in spinal cord injured patients **606**
Ş Gündüz, E Oğur, H Möhür, İ Somuncu, E Açjksöz, B Üstünsöz
Errors and limitations of the multimodality checking methods of defective spinal intrathecal pump systems. Case report **611**

B Schurch
Carcinoma of the scrotum associated with rubber urinals. Case report **616**
D Grundy, A C Jones, P H Powley
Retirement of Mrs Ann Scott MA: editorial secretary **618**
Meetings and Notices **619**
Editorial **621**
Interinstitutional agreement of individual functional independence measure (FIM) items measured at two sites on one sample of SCI patients **622**
M E Segal, J F Ditunno, W E Staas
Social support and health status in spinal cord injury **632**
C A Anson, D J Stanwyck, J S Krause
Methicillin-resistant *Staphylococcus aureus* (MRSA) colonization in patients with spinal cord injury **639**
K Maeder, V J Ginunas, J Z Montgomerie, H N Canawati
Eradication of urinary tract infection following spinal cord injury **645**
K B Waites, K C Canupp, M J DeVivo
Persistent hypercoagulation associated with heterotopic ossification in patients with spinal cord injury long after injury has occurred **653**
A Perkash, G Sullivan, L Toth, L H Bradleigh, S H Linder, I Perkash
Intravenous disodium etidronate therapy in spinal cord injury patients with heterotopic ossification **660**
K Banovac, F Gonzalez, N Wade, J J Bowker
MRI evaluation of fusion mass incorporation after anterior cervical bony fusions: preliminary findings **667**
T J Albert, D Lamb, M R Piazza, A E Flanders, R A Balderston, J M Cotler
Intracavernous papaverine for impotence in spinal cord injured patients **675**
V K Kapoor, A S Chahal, S P Jyoti, Y J Mundkur, S V Kotwal, V K Mehta
Spinal dural arteriovenous fistula adjacent to a spinal neurofibroma—a misleading coexistence. Case report **678**
I H Tekkök, B Açıkgöz, T Özgen, B Önol
Amarjit Singh Chahal, Medallist of the International Society of Paraplegia 1993 **684**
Meetings and Notices **686**
The effectiveness of vibratory stimulation in anejaculatory men with spinal cord injury. Review article **689**
H Beckerman, J Becher, G J Lankhorst
Complications and costs of management of acute spinal cord injury **700**
C H Tator, E G Duncan, V E Edmonds, L I Lapczak, D F Andrews
Relief of spasticity in SCI men and women using rectal probe electrostimulation **715**
L S Halstead, S W J Seager, J M Houston, K Whitesell, M Dennis, P W Nance
Chronic pain in the spinal cord injured: statistical approach and pharmacological treatment **722**
P Fenollosa, J Pallares, J Cervera, F Pelegrin, V Inigo, M Giner, V Forner
Effects of induced hypothermia on somatosensory evoked potentials in patients with chronic spinal cord injury **730**
K C Hayes, J T C Hsieh, P J Potter, D L Wolfe, G A Delaney, A R Blight
Creatinine, calcium, citrate and acid-base in spinal cord injured patients **742**
R G Burr, C Chem, I Nuseibeh
Atypical syndromes caudal to the injury site in patients following spinal cord injury. A clinical, neurophysiological and MRI study **751**
L Tosi, C Righetti, G Terrini, G Zanette
Meetings and Notices **757**

Prevention of spinal cord injuries in an Australian study (New South Wales) **759**
J D Yeo
Functional electrical stimulation (FES): muscle histochemical analysis **764**
J M D Greve, R Muszkat, B Schmidt, J Chiovatto, T E P Barros, L R Batisttella
Sexual function in spinal cord injury men. I. Assessing sexual capability **771**
F J Courtois, K F Charvier, A Leriche, D P Raymond
Simplified and objective assessment of spermatogenesis in spinal cord injured men by flow cytometry analysis **785**
I H Hirsch, D Kulp-Hugues, J Sedor, P McCue, M B Chancellor, W E Staas
Factors contributing to the increased threat to life following spinal cord injury **793**
J E Kiwerski
Extraspinal ependymoma presenting as a subcutaneous mass posterior to the sacrococcygeal region. Case report **800**
R Inceoğlu, F Özer, N Pamir, S Küllü
Synovial cyst of dens causing spinal cord compression. Case report **803**
W Choe, I Walot, C Schlesinger, I Chambi, F Lin
Meetings and Notices **808**
Cumulative Contents **811**
Indexes **818**